## Phase II Interactive Pre-ordering and Interactive Direct Entry Ordering (cont'd)

*Milestones Ahead:*

| | |
|---|---|
| • Commercially Available | April 30, 1997 |

| *Milestones Missed:* | *Completed:* |
|---|---|
| • Unit Testing Complete (Targeted date March 26) | April 14, 1997 |
| • Production System Ready (Targeted date March 31) | April 30, 1997 |

**Issues:**

In the October 25, 1996 meeting, AT&T advised that they would not use the interactive Pre-order/Order System stating their objective for machine-to-machine interfaces developed on an as yet undefined national standard. BellSouth continues with its efforts to develop the interactive interface ordered by the Commission for use by other industry participants. BellSouth also participates in the national standards setting bodies to facilitate the development of national standards for pre-ordering and ordering of local service requests. BellSouth and AT&T have agreed to work together utilizing best efforts to develop permanent machine to machine electronic interfaces to be implemented by December 31, 1997.

AT&T's response to BellSouth's March 28, 1997 Monthly Surveillance Report describes the development of a third interface, Common Gateway Interface (CGI). This interface will exist as an alternative for those CLECs who want to devleop their own presentation systems for use with BellSouth's data and was described in BellSouth's testimony presented in the AT&T arbitration proceeding. BellSouth proposed this alternative in September, 1996 and has been working with AT&T on this alternative since it received AT&T's request for data in January, 1997. However, because the CGI alternative builds upon the LENS interface, firm specifications for the CGI interface cannot be provided until the LENS interface is finalized.

## Ordering - Electronic Data Interchange

The Commission in Docket No. 6352-U ordered that BellSouth is to make fully operational and available by December 15, 1996 the Electronic Data Interface capability for receipt and transmission of orders for services in BellSouth's General Subscriber Services and Private Line Tariffs. The Commission has reaffirmed this requirement as a part of the arbitration proceedings.

### Status

The EDI ordering interface was ready on 12/15/96. BellSouth is working with and actively seeking testing partners.

This effort has two phases. The first phase consists of Electronic Data Interchange (EDI) for single line residential service, flat rate and measured rate business service (less than seven lines), Public Branch Exchange (PBX) and vertical services. The implementation of the second phase consisted of complex services that BellSouth determined could be mapped to EDI for production delivery on December 15, 1996.

For Phase I, BellSouth has worked with AT&T and AT&T's designated third party to define the necessary transaction sets, data segments, data elements and data requirements in order to develop the mapping necessary for translating data that will be exchanged via EDI. Prior to December 15, 1996, BellSouth implemented all negotiated software changes for Phase I. As a result, BellSouth is ready to accept EDI orders from AT&T for single line residence, PBX and vertical services.

AT&T comments on BellSouth's March 28, 1997 monthly surveillance report suggest that BellSouth EDI implementation did not include all tariffed services. However, this has never been a requirement. In its June 12, 1996 order in Docket 6352, the Commission found that "...it is imperative that a reseller have access to the same service ordering provisions, service trouble reporting and informational databases for their customers as does BellSouth." (emphasis added). BellSouth efforts relating to EDI have been based on this objective. BellSouth does not create orders for all services for its retail customers on a totally mechanized basis, nor are such orders always created on the initial contact with a customer. Many services, particularly complex services such as the MultiServ example raised by AT&T, require account team intervention which often results in manual order handling. Services requiring account team intervention therefore have not been mapped to EDI for CLEC customers.

The joint AT&T and BellSouth team has successfully completed syntax testing of the Phase I interface. End-to-end testing, where test orders are sent through the system, has been completed for a subset of Consumer orders. On February 10, 1997, AT&T moved into the Service Readiness Testing (SRT) phase. BellSouth considers this activity to actually place the interface into production as live production because actual customers are having their service ordered and provisioned using the EDI system.

**Ordering Electronic Data Interchange (cont'd.)**

AT&T has committed that they will not send any type of Consumer orders into BellSouth's production environment unless that type of order has been successfully tested in the end-to-end phase. SRT for this subset of orders will last for either a period of 60 days or upon completion of 100 orders. Business orders remain in the end-to-end testing phase, pending receipt of test cases from AT&T. The SRT will be viewed as an evolving document during this phase.

BellSouth has provided AT&T with a Phase I Implementation Guide (dated 12/6/96). A Phase II Implementation Guide has also been published (Issue 1 dated 12/16/96, Issue 2 dated 12/31/96), and shared with AT&T as well as other companies wishing to become trading partners with BellSouth. AT&T and BellSouth met on January 30, 1997 to review the differences between Joint Implementation Agreement, Phase I and Phase II Implementation Guides An updated version of the BellSouth Implementation Guide (Issue 3 dated 02/14/97) has been published which incorporates feedback received during various review sessions.

In addition to meeting with AT&T, BellSouth continues to meet with other companies, including but not limited to Sprint, Cellular Holding, National Telecommunications of Florida, and DeltaCom. These companies have expressed an interest in reviewing the Implementation Guide and in discussing plans for utilizing the EDI Ordering Interface in the future.

*Milestones Accomplished*

| | |
|---|---|
| • Joint EDI Ordering Committee planning meeting | May 15-16, 1996 |
| • Joint EDI Ordering Committee working meeting | June 3-7, 1996 |
| • Phase II planning begun | July 22, 1996 |
| • Physical communications established | July 22, 1996 |
| • Phase I testing begun | July 24, 1996 |
| • Finalize the data requirements & logical mapping for Phase I | August 23, 1996* |
| • Physical mapping of data elements | August 16, 1996 |
| • Internal OSS coding complete | August 30, 1996 |
| • AT&T/BellSouth Phase I syntax testing begun | November 4, 1996 |
| • Phase II (release 1) requirements finalized | November 15, 1996* |
| • EDI interface ready as ordered | December 15, 1996 |
| • Phase I Consumer Orders to SRT (BellSouth production) | February 10, 1997 |
| • Phase I Business Orders to SRT (BellSouth production) | March 10, 1997 |

* Data requirements for the phase II (release 1 interface between BellSouth and the OLECs) have been finalized since the November report.

**Ordering - Electronic Data Interchange (cont'd.)**

*Milestones Missed (AT&T initiated)*

| | |
|---|---|
| • Trial agreement in place | August 30, 1996 |
| • Phase I, first production site (acceptance testing complete) | September 3, 1996 |
| • Remaining sites in production | October 1-31, 1996 |
| • Phase II (release 1) development/testing complete | December 10,1996 |
| • Phase II (release 1) installation in production | December 13-14, 1996 |

*Milestones Ahead*

BellSouth continues to move forward with AT&T and other potential trading partners for EDI ordering interfaces.

BellSouth and AT&T worked to jointly develop EDI. However, BellSouth notified the commission and AT&T that due to AT&T delays, BellSouth was forced to move into Phase II development in order to meet the 12/15/96 deadline. Further, AT&T has asserted that BellSouth made "significant changes in basic coding philosophy." These changes are in fact new data elements that have come from OBF. AT&T has expressed an interest in moving toward these elements, and is meeting with BellSouth on 4/18/97 on this subject.

BellSouth worked with Harbinger, a translator software developer, to develop a user friendly EDI translation windows software package for Local Exchange Ordering. This product was demonstrated at the BellSouth CLEC Conference April 1 - 3, 1997.

# Trouble Report Entry

**Ordered that "BellSouth is to complete the TAFI enhancements to allow full operation** of the required access by March 31, 1997."

**Status**

**The CLEC TAFI system was successfully tested and placed in production. On March** 28, 1997, the system successfully generated a trouble report for a CLEC customer, establishing that the TAFI system works.

TAFI currently will support 65 simultaneous users, and a spare arrangement is in place. Capability for an additional 65 users will be in place on June 1, 1997. BellSouth will train two additional CLECs on TAFI the week of April 20, 1997. AT&T has expressed an interest in trialing TAFI and BellSouth is working to set up a LAN-to-LAN connection for that trial.

*Milestones Accomplished*

| | |
|---|---|
| • Project team established | September 30, 1996 |
| • Design concept documented | October 4, 1996 |
| • Requirements documented | November 24, 1996 |
| • Design documented | January 10, 1997 |
| • Code Construction complete | February 28, 1997 |
| • Process Flows complete | March 14, 1997 |
| • BellSouth System Testing begins | March 17, 1997 |
| • Reseller Acceptance Testing begins | March 24, 1997 |
| • Trouble Report Entry system available | March 31, 1997 |

*Milestones Ahead*

- Production and Maintenance ongoing. The TAFI interface is in production.

## Daily Usage Data

The Commission in Docket No. 6352-U ordered that BellSouth is to complete the work necessary so that it can provide unrated messages to AT&T by September 1, 1996. The Commission has reaffirmed this requirement as a part of the arbitration proceedings.

### Status

*Milestones Accomplished:*

| | |
|---|---|
| • Initiated planning for Daily Usage Data for OLECs | November 1995 |
| • Completed initial programming | March 31, 1996 |
| • Conducted internal testing with CLEC data | April - June, 1996 |
| • Deployed procedures in production environment | July, 1996 |
| • Provided test file to first CLEC | July, 1996 |
| • Code, test and implement procedures to provide data to AT&T in unrated format, rather than the rated format that is produced currently | September 5, 1996 |

*Milestones Ahead:*

| | |
|---|---|
| • Production and maintenance | Ongoing |

The transfer of daily usage data is now available to any local exchange carrier requesting such transfer.

## Customer Records - Mechanized access

In the AT&T, MCImetro and Sprint arbitration proceedings, the Commission ordered the following:

> The Commission directs that BellSouth expeditiously develop and deploy an on-line electronic means for AT&T, MCI and Sprint to receive customer service record data, with the information restricted to just the information that AT&T, MCI and Sprint needs for preordering, to appropriately protect customers' privacy. BellSouth shall file monthly reports with the Commission updating the activities under taken in the development and deployment of this on-line electronic interface, and shall demonstrate to the Commission that it meets AT&T, MCI and Sprint's needs but also contains safety provisions or restriction s to make sure that it safeguards customers' privacy in an appropriate manner. The Commission recognizes the Consumer Utility Counsel's concerns regarding privacy of customer information, and further directs BellSouth and AT&T, MCI and Sprint to communicate and work with the CUC in order to ensure that the arrangements they develop will meet these concerns. The Parties shall show their work with the CUC and the resulting arrangements to safeguard customer privacy when they demonstrate the electronic interface methodology to this Commission. Such demonstration, and the plan for deployment, shall be presented to the Commission for the Commission's review prior to deployment.

Docket No. 6865-U, Supplemental MCI Order, January 14, 1997 at pages 5-6. See also, Docket No. 6801-U, Supplemental AT&T Order, January 22, 1997 at pages 9-10 and Docket No. 6958-U, Sprint Order, January 14, 1997 at pages 11-12.

BellSouth is working on developing a procedure that is technologically viable, meets the Commission's order, and satisfies the concerns of the CUC.

*Milestones Accomplished*

| | |
|---|---|
| • Establish an interdepartmental team to finalize technological options | 12/18/96 |
| • Team meeting to evaluate technological options | 1/6/97 |
| • CUC review of customer protection options | 2/5/97 |
| • Invitation to Sprint, AT&T, MCI to join the Joint Implementation Team* | 2/97 |
| • Meetings with AT&T, MCI, Sprint | 4/5/97 |
| Approval from AT&T, MCI, & Sprint of access to records methodology | 4/11/97 |
| • Requirements developed | 4/18/97 |

**Customer Records - Mechanized access (cont'd)**

*Milestones Ahead*

- Workplan for implementation developed; Dates for Design completion, implementation, and testing determined — *4/22/97*
- AT&T, MCI & Sprint final approval of all aspects of plan — TBD

* This invitation was extended verbally to participants rather than through written communications. Meetings have been taking place with AT&T concerning the customer records issue.

## Closing

The next monthly surveillance report will be submitted on May 15, 1997.

## CERTIFICATE OF SERVICE

This is to certify that I have this day served a copy of the within and foregoing, Revised BellSouth Electronic Interfaces for Local Service Resellers Report and Motion for Extension of Time, upon all known parties of record, by facsimile and United States Mail, postage prepaid, addressed as follows:

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Atlanta, GA 30334

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Mr. Dennis Lopach
MediaOne
115 Perimeter Center
Suite 1150
Atlanta, GA 30346

This 1st day of April, 1997.

Fred McCallum Jr.

# ATTACHMENT 8

May 19, 1997

Ms. Cindy Clark
AT&T
1200 Peachtree St. NE
Atlanta, GA 30308

Dear Cindy,

We appreciate the opportunity to demonstrate the functionality of the Local Exchange Navigation System to your associates. As you know, LENS is a newly developed system, and as such will require several iterations of enhancements before it can be considered a mature system. It is our desire and goal to provide functionality that mirrors our own service centers, which will require multiple, and sometimes frequent changes to LENS.

Your May 12th memo mentioned viewing a number of irregularities during the demo on May 5. The problems with LENS not displaying directional prefix and directional suffix information was corrected prior to the LENS hands-on sessions on May 13. I am aware of a minor problem, with LENS not displaying the RSAG valid city during the validation process for an inquiry,. However, the correct abbreviation is system populated on the Local Service Request during the firm order process. We will have the city discrepancy corrected prior to the June 30th release.

We have a number of LENS enhancements identified, however, not all have been analyzed and prioritized. We are willing to share the enhancements planned for the June, 1997 release with our customers, with the following caveat. The local service environment is ever changing, which sometimes necessitates that we change our priorities to comply with state regulatory mandates and to best meet the needs of our customers to provide the best possible service to the ultimate customer, the end user. As long as we have an understanding that what is shared is subject to change with little or no advance notice, we will be glad to share our planned enhancement schedule. I will provide a list of changes currently scheduled for the June release via a separate memo. We have not planned capabilities beyond the end of second quarter, to date.

Our current thoughts to provide notification to LENS users of planned upgrades will be via an informational letter. In a future phase of LENS, we plan to have this information available on-line via the release notes option. We also plan to distribute updated pages to the LENS user guide, to provide more than sufficient information that may be used as training.

As with any new system, it will be at least 6-9 months before the firm order portion can be considered stable. With the exception of displaying zip code, adding the ATLAS confirmation number, providing the capability to allow CLECs to assign house numbers for unnumbered addresses, and adding some fields specific to neighborhood directories and directory closing dates, I believe the inquiry or pre-order capabilities are stable. Adding zip code is scheduled for the June release and no dates have been determined for the other modifications. Of course, if the applications we access upgrade to provide additional functionality, LENS would be modified to take advantage of the added capabilities.

We currently have development, test/training and production systems which must be maintained. I believe adding a fourth environment not to be in the best interest of the LENS users. As stated previously, the majority of enhancements will impact the ordering capabilities in LENS, not the pre-order portions which AT&T plans to utilize. I would suspect the majority of LENS users would be anxious to have increased ordering capabilities made available to them as soon as they were tested and documented. I understand your training concern but again state the majority of changes would impact ordering, not the pre-order process, so at this time I don't believe we would be able to maintain multiple release levels in production.

I hope this addresses your concerns, but if not don't hesitate to contact me with additional LENS questions.

Sincerely,

Cassandra Daniels

CC: Linda W. Tate

# ATTACHMENT 9

BellSouth Telecommunications, Inc. 504 528-2050
Room 1870
365 Canal Street
New Orleans, Louisiana 70130-1102

Victoria K. McHenry
General Counsel – LA

August 11, 1997

**BY HAND DELIVERY**

Ms. Susan Cowart
Administrative Hearings Division
Louisiana Public Service Commission
P. O. Box 91154
Baton Rouge, LA 70821

RE: LPSC, ex parte
Docket Number U-22252
Section 271 Filing

Dear Ms. Cowart:

Pursuant to the Commission's July 28, 1997 Order in the captioned docket, I enclose for filing BellSouth's response to the filings made on August 4, 1997 by various parties in this docket. Please date stamp the attached copy and return to me for my files.

With kind regards, I am

Sincerely,

Victoria K. McHenry

VKM:spc
Enclosures

cc: Service List (w/enc via Federal Express)

#89193

BellSouth Telecommunications, Inc.
Louisiana Public Service Commission
Docket No. U-22252
LPSC's Order Dated July 28, 1997
Item No. AT&T p. 1, q. 2
Page 1 of 1

REQUEST: It is unstable - changes are to be made monthly for the rest of the year per the BellSouth LENS Project Manager.

RESPONSE: While changes will occur in the ordering functions over the next six to nine months, for its primary purpose of preordering, LENS is stable. Notices of LENS changes are sent out via a cover letter to the CLECs users noting the changes, as well as in updates to the LENS Users Guide, which was just re-issued in July.

never received a letter

Speed dialing

magnify by 1VK

BellSouth Telecommunications, Inc.
Louisiana Public Service Commission
Docket No. U-22252
LPSC's Order Dated July 28, 1997
Item No. AT&T p. 13, q. 8
Page 1 of 1

REQUEST: BellSouth refuses to provide AT&T with information concerning the number and percentages which are being automated by flow through to LESOG or manually re-keyed by personnel in the LCSC.

RESPONSE: AT&T does not need to know internal systems output measurements; what is i needed by AT&T is the outcome of the ordering process such as due dates and Firm Order Completions, which are provided to AT&T.

# ATTACHMENT 10

# LENS Access Technical Specification

*Access by a Client Application*

## 1. Overview

This document specifies the details of the interface that can be utilized by a Competitive Local Exchange Carrier (CLEC) to access the BellSouth Telecommunication's Local Exchange Negotiation System (LENS) from software emulating a Web Browser.

The LENS application can be accessed directly by other computer systems bypassing the need for a Web Browser. This paper contains specifications for a methodology for using an application client in place of browser to communicate with and obtain information from the LENS Web server.

The LENS application will provide the following functionality related to the ordering of BellSouth Telecommunications services by CLECs.

- Preorder/Inquiry
- Street Address Validation
- Telephone Number Reservations
- Due Date Calculation
- Service Availability Inquires
- Creation of an Local Service Request (LSR)
- Customer Service Record Retrieval - future release
- View Firm Order Commit and Completion Notification
- View Order Status
- View LSR in Error
- Place Firm Order Request
- Change Existing Request

This document is based on the best information BellSouth Telecommunications (BST) has available at this time. Each release of LENS will be accompanied by a new version of this document. This document corresponds to the 4/22/97 release of LENS.

LENS is a Web-based application utilizing a Web Server to provide presentation of HTML code to remote browsers. It also includes a back-end application server that is

accessed via CGI scripts. The remainder of this document provides technical details for the access to LENS from a client application other than a Web Browser.

# 2. General Interface Specifications

## *2.1 Interface Overview*

1. This interface is based on emulation of a browser. The interface is designed to be utilized by either Netscape Navigator 3.x or Internet Explorer 3.0.

2. The client application will be required to utilize the HTTP protocol to obtain each of the pages in the user interface flow and to respond accordingly.

3. The interface requires the use of cookies. This mechanism is used to provide continuity between the pages.

   Our implementation of cookies is consistent with the original Netscape implementation of cookies as described on the Netscape Web Site at:

   http://home.netscape.com/newsref/std/cookie_spec.html

   The information covered there will not be repeated. We will use the attribute/value-pairs (av-pairs) described there except for the secure attribute.

   The Set-Cookie: header will be utilized and the information contained would be expected to be returned as described in the Netscape document

4. All data is returned in `<INPUT>`, `<SELECT>-<OPTION>`, `<TEXTAREA>` or `<A>` elements. These are sometimes called editable fields. The variable name or tag is contained in the `NAME` attribute of the `<INPUT>`, `<SELECT>` or `<TEXTAREA>` element. The value is contained in the `VALUE` attribute of the `<INPUT>` element, between the `<OPTION> </OPTION>` delimiters, or between the `<TEXTAREA> </TEXTAREA>` or `<A> </A>` delimiters.

5. The `<HREF>` and `<FORM>` elements contains the URL of the CGI that must be called next. The data expected by the CGI is contained within the editable fields within the scope of the `<FORM>`. Some of this data is in `hidden INPUT` fields. It is important to note that the values of *hidden* fields must not be modified.

## *2.2 Connectivity*

1. The network connectivity to the LENS application is the Internet suite of protocols (TCP/IP, etc.)

2. The protocol for the transfer of requests and responses is HTTP.
3. The connectivity to LENS can be through lan-to-lan connections, dial-up connections using PPP or through connections from the Internet.

### *2.3 Security*

The security required will be dependent on the connectivity method utilized. Security for each of the three types of connectivity are discussed below

#### 2.3.1 Lan-to-Lan

Security for the lan-to-lan connection assumes a trusted network on the other end and does not require additional network security. A CLEC wanting to use the Web Server over a lan-to-lan connection can obtain an application ID which can be utilized for all connections from the client application to the Web Server. The client application will have to include in the initial logon response information that can be used to identify the originating CLEC employee, if necessary, for auditing and trouble shooting. All access requires a registered IP Address.

#### 2.3.2 Dial-up

BellSouth requires that any user making a dial-up connection be authenticated utilizing a Secure ID card. This card, in connection with a user ID, has to be utilized before the connection is made to the TCP/IP in-dial connections. In addition, the client application will be required to logon to the Web Server before beginning a session.

#### 2.3.3 Internet

Any connection over the Internet will require the use of a security certificate obtained from a BellSouth designated certificate authority. In addition, all data sent back and forth will be encrypted using Secure Sockets Layer.

## 3. Application Specifications

This section of the document details the HTML page flows for each piece of ordering functionality, defines the data returned with each of the pages, and defines how the data is to be parsed. In addition any error messages are documented. The full pages for each output are not given, only parts relevant for access bypassing a Web browser. Specifically, the FORM elements, the editable elements within its scope, or any relevant hyperlinks on a page. Each NAME attribute in an editable field on the form is a variable name that may be required in the input string in the next step. Each VALUE attribute (or strings delimited by <OPTION> </OPTION>, <TEXTAREA> </TEXTAREA>, or <A> </A>) contains the value returned by that step in the application. All input and output lines are written in Courier font. Any variable fields are written in *italicized Courier* font. In order to input any data to the cgi server, a connection must be opened to the cgi server on the specified port. All input lines

must be terminated by a carriage return and line feed. In the remainder of the document, it is assumed that all input lines are thus terminated. The output from the cgi server must be read in by the user's application program. Once the cgi server has sent the output, the connection to cgi-server is closed. After 30 minutes of time with no activity, the session is terminated. Any subsequent attempt to access the terminated session results in an empty page.

## *3.1 Input/Output Requirements for Establishing a Session*

In this section the input/output requirements for establishing a session are provided. This is the precursor to all system access. The non-error flow is as follows: initial access (3.1.1), authentication and authorization (3.1.2), and selecting an action (3.1.3). In the case of any possible error response, the response and appropriate action are described.

### 3.1.1 Initial Access

Initial access establishes a session in the LENS server.

#### 3.1.1.1 Input Specification

```
GET InitialApplicationURL HTTP/1.0
User-Agent: agent name
```

Note: The *InitialApplicationURL* and *agent name* values will be assigned at a later time. *agent name* is a CLEC specific value.

#### 3.1.1.2 Output Specification

The resulting page contains a form <FORM> to be submitted with the user name and password. These will be assigned to each CLEC at a later date on an as needed basis. Each simultaneous session established by a given CLEC must have a unique user name and password associated with it.

```
<FORM METHOD=post ACTION="AuthenticationURL">
<INPUT size=10 maxlength=10 type=text name="loginString">
<INPUT size=10 maxlength=10 type=password value=""
name="passwdString">
<INPUT size=10 maxlength=8 type=text name="NewPasswdString">
<INPUT size=10 maxlength=8 type=password value=""
name="NewPasswdString2">
<INPUT type=hidden value="" name="ErrorMessage">
```

```
<INPUT type=submit value="Submit" name="Submit">
</FORM>
```

### 3.1.2 Authentication

A valid user id and password must be sent to the cgi server in order to proceed with any preordering activity. As noted above, unique sets of user ids and passwords will be established with each CLEC according to their needs.

#### 3.1.2.1 Input Specification

```
POST AuthenticationURL HTTP/1.0
User-Agent: agent name
Content-type: application/x-www-form-urlencoded
Content-length: length(userid)+length(password)+40

loginString=userid&passwdString=password&NewPasswdString=&Ne
wPasswdString2=&ErrorMessage=&Submit=Submit
```

**Note:** *AuthenticationURL* is obtained from the output of initial access `loginString`, `passwdString` and `Submit` are the variable names obtained from the `FORM` returned by the initial access.

Output Specification

The next page to be accessed is contained in the hypertext link element `<HREF>`. Each action (Inquiry, View FOC/CN, View Order Status, View LSR Errors, Place Firm Order Request, Change Existing Request) has a hyperlink from this page. Hyperlinks are delimited by `<A action="hyperlinkURL">text</A>`..

```
<A href="InquiryURL"><IMG align=TOP border=0 alt=Inquiry
height=31 width=166 src="inquiry.gif"></A>

<A href="ViewFOCURL"><IMG align=TOP border=0 alt="View
FOC/CN" height=31 width=166 src="ViewFOC-CN.gif"></A>

<A href="ViewOrderStatusURL"><IMG align=TOP border=0
alt="View Order Status" height=31 width=166
src="ViewOrderStatus.gif"></A>

<A href="ViewLSRerrorsURL"><IMG align=TOP border=0 alt="View
LSR in Error" height=31 width=166
src="ViewLSRinError.gif"></A>

<A href="PlaceFirmOrderURL"><IMG align=TOP border=0
alt="Place firm order for a resale request" height=31
width=166 src="PlaceFirmOrder.gif"></A>
```

```
<A href="ChangeRequestURL"><IMG align=TOP border=0
alt="Change Existing Request" height=31 width=166
src="ChangeRequest.gif"></A>
```

The full names for the .gif files are not included because they are not needed in an application interface.

#### 3.1.2.2 Error Specification

If the id or password are in error, the user is notified with the following screen. A hidden INPUT field containing an error message is returned within the FORM element.

```
<FORM METHOD=post ACTION="InitialScreenURL">
<INPUT size=10 maxlength=8 type=text value="submittedID"
name="loginString">
<INPUT size=10 maxlength=8 type=password
value="submittedPasswd" name="passwdString">
<INPUT size=10 maxlength=8 type=text name="NewPasswdString">
<INPUT size=10 maxlength=8 type=password value=""
name="NewPasswdString2">
<INPUT type=hidden value="ErrorMessage" name="ErrorMessage">
<INPUT type=submit value="Submit" name="Submit">
</FORM>
```

Note: The *InitialScreenURL* is dynamically generated and is not identical to the *InitialApplicationURL*. Any string prefixed by *submitted* contains the value submitted in the previous form. In the event of an authentication error, reauthentication can be tried. It is most likely an error that will require manual intervention, such as checking a userid or password.

### 3.1.3 Select Action

Notify the cgi server of the functionality that the application wishes to access.

#### 3.1.3.1 Input Specification

```
GET SelectedURL HTTP/1.0
User-Agent: agent name
```

**Note:** This action requires a GET. *SelectedURL* one of *InquiryURL*, for inquiry *ViewFOCURL*, for viewing a firm order commit or completion notice, *ViewOrderStatusURL*, for viewing the status of an order, *ViewLSRerrorURL*,